

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/042322 A1

(51) International Patent Classification⁷: G01C 17/28

00280 Helsinki (FI). HJELT, Kari [FI/FI]; Kavallinmäki 17, FIN-02750 Espoo (FI). INHA, Kai [FI/FI]; Pöytäalontie 38, FIN-04430 Järvenpää (FI).

(21) International Application Number:

PCT/IB2002/004630

(74) Agent: COHAUSZ & FLORACK (24); Bleichstrasse 14, 40211 Düsseldorf (DE).

(22) International Filing Date:

5 November 2002 (05.11.2002)

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK,

(26) Publication Language:

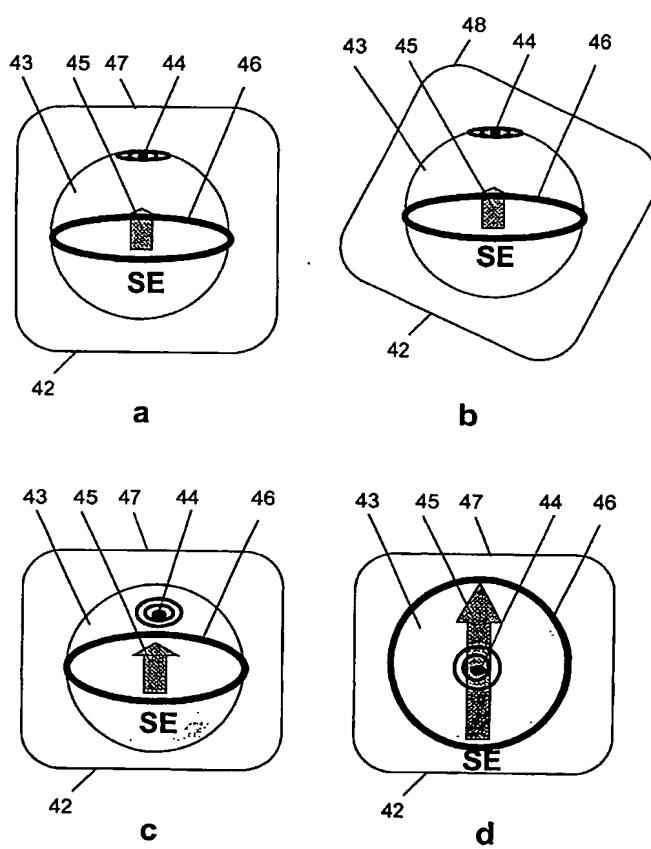
English

[Continued on next page]

(71) Applicant (for all designated States except US): NOKIA CORPORATION [FI/FI]; Keilalahdentie 4, FIN-02150 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): NAUKKARINEN, Santtu [FI/FI]; Tornitaso 1 as 19, FIN-02120 Espoo (FI). RYHÄNEN, Tapani [FI/FI]; Koroistentie 6 BA 3, FIN-



(57) Abstract: The invention relates to a mobile electronic system. In order to expand and enhance the usability of the mobile electronic system, it is proposed that it comprises a 3D magnetometer (51) performing magnetic measurements in three dimensions and providing data indicative of the current posture of the mobile electronic system based on these measurements. Further, it is proposed that the mobile electronic system comprises processing means (52, 54) processing the data provided by the 3D magnetometer (51) for enabling a posture related presentation of information via output means (12, 42) of the mobile electronic system. The invention relates equally to components of such a system and to a corresponding method.